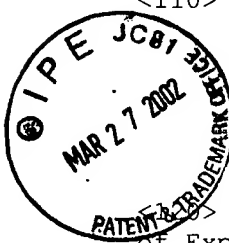


SEQUENCE LISTING

#17



<110> Hilbush, Brian S
 Hasel, Karl W
 Sutcliffe, J. Gregor
 Chang, Hwai Wen
 Callahan, Marie A
 Quan, Jeanette

<120> Simplified Method for Indexing and Determining the Relative Concentration
 of Expressed Messenger RNAs

<130> 98-430

<150> PCT/US99/23655

<151> 1999-10-14

<150> US 09/186,869

<151> 1998-11-04

<160> 41

<170> PatentIn version 3.1

<210> 1

<211> 79

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<223> Description of Artificial Sequence: synthetic primer cDNA anchor
 primer)

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<223> Base 1 is a biotinylated adenosine residue

<220>

<221> misc_feature

<222> (77)..(77)

<223> V stands for A, C or G

<220>

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<222> (78)..(79)

<223> N stands for A, C, G or T

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tttttttttt ttttttvnn 79

<210> 2

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<211> 68
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<223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer)

<220>

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<222> (66)..(66)

<223> V stands for A, C or G

<220>

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<222> (67)..(68)

<223> N stands for A, C, G or T

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atgaattctc tagagtctga gctccaccgc ggtagtactc actgcagttt tttttttttt 60

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<210> 3

<211> 77

<212> DNA

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<220>

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<223> Base 1 is a biotinylated guanosine residue

<220>

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<222> (75)..(75)

<223> V stands for A, C or G

<220>

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<223> N stands for A, C, G or T

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gaattcaact ggaagcggcc gcaggaagag ctccaccgcg gtagtactca ctgcagtttt 60
tttttttttt ttttvnn 77

<210> 4
<211> 48
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<223> V stands for A, C or G

<220>
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<223> N stands for A, C, G or T

<400> 4
gaattcaact ggaagcggcc gcaggaattt tttttttttt ttttvnn 48

<210> 5
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 3' PCR primer

<400> 5
gagctccacc gcggt 15

<210> 6
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 3' PCR primer

<400> 6

gagctcgttt tcccag

16

<210> 7
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: one strand of double stranded adapter

<400> 7
atgaattcgg taccaattaa ccctcactaa agggacagct tatcatcgct cgagctcgac 60
ggtat 65

<210> 8
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: other strand of double stranded adapter

<400> 8
cgataccgtc gagctcgagc gatgataagc tgtcccttta gtgagggtta attggtaccg 60
aattcat 67

<210> 9
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature
<223> Base 1 is a phosphorylated cytosine residue.

<400> 9
cgataccgtc gacctcgagg tccctttagt gagggttaat tggtaccgaa tt 52

<210> 10
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 02 (sense strand), double stranded adapter

<400> 10
aattcggtac caattaaccc tcactaaagg gacctcgagg tcgacggtat 50

<210> 11
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: One strand of double stranded adapter

<220>
<221> misc_feature
<223> Base 1 is a phosphorylated guanosine residue

<400> 11
gatcctcacc acagagcttc gaggtccctt tagtgagggt taattggtac cgaatt 56

<210> 12
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: One strand of double stranded adapter

<400> 12
aattcggtac caattaaccc tcactaaagg gacctcgaag ctctgtggtg ag 52

<210> 13
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: One strand of a double stranded adapter

<220>
<221> misc_feature
<223> Base 1 is a phosphorylated cytosine residue

<400> 13
ctcaccacag agcttcgagg tccctttagt gagggttaat tggtagcgaa tt 52

<210> 14

<211> 56
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: one strand of double stranded adapter

<400> 14
aattcgggtac caattaaccc tactaaagg gacctcgaag ctctgtggtg agcatg 56

<210> 15
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Reverse transcriptase (RT) M
No primer

<400> 15
cagtctgagc tccaccgcgg t 21

<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

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primer)

<220>

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<222> (21)..(21)
<223> N stands for A, C, G or T

<400> 16
ctcgagctcg acggtatcgg n 21

<210> 17
<211> 22
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer (5' PCR N1
primer)

<220>

<221> misc_feature
<222> (22)..(22)
<223> N stands for A, C, G or T

<400> 17
cctcgaggtc gacggtatcg gn 22

<210> 18
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature
<222> (13)..(16)
<223> N stands for A, C, G or T

<400> 18
cgacggtatc ggnnnn 16

<210> 19
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature
<222> (19)..(19)
<223> N stands for A, C, G or T

<400> 19
agctctgtgg tgaggatcn 19

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature
<222> (17)..(20)
<223> N stands for A, C, G or T

<400> 20
ctctgtggtg aggatcnnnn 20

<210> 21
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature
<222> (19)..(19)
<223> N stands for A, C, G or T

<400> 21
agctctgtgg tgagcatgn 19

<210> 22
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (5' PCR N4 primer)

<220>
<221> misc_feature
<222> (17)..(20)
<223> N stands for A, C, G or T

<400> 22
ctctgtggtg agcatgnnnn 20

<210> 23
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (5' PCR N1 primer)

<220>
<221> misc_feature
<222> (22)..(22)
<223> N stands for A, C, G or T

<400> 23
cctcgagggtc gacggtatcg an 22

<210> 24
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (5' PCR N4 primer)

<220>
<221> misc_feature
<222> (20)..(23)
<223> N stands for A, C, G or T

<400> 24
tcgagggtcga cggtatcgan nnn 23

<210> 25
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (NF-KB extended primer)

<400> 25
gatcgaatcc ggcccgcctg aatcattctc 30

<210> 26
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: first stuffer segment of anchor primer

<400> 26
agtactcact gc 12

<210> 27
<211> 14
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: first stuffer segment of anchor primer

<400> 27
agtactcact gcag 14

<210> 28
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: second stuffer segment of anchor primer

<400> 28
gattgctacc tcagtct 17

<210> 29
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (5' PCR N4 primer)

<220>
<221> misc_feature
<222> (16)..(16)
<223> N stands for A, C, G or T

<400> 29
gctcgacggt atcggn 16

<210> 30
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<220>
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<223> N stands for A, C, G or T

<400> 30
ctcgacggta tcggnn 16

<210> 31
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (5' PCR N3
primer)

<220>
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<223> N stands for A, C, G or T

<400> 31
tcgacggtat cggnnn 16

<210> 32
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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primer)

<220>
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<222> (12)..(16)
<223> N stands for A, C, G or T

<400> 32
gacggtatcg gnnnnn 16

<210> 33
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (5' PCR N6
primer)

<220>
<221> misc_feature
<222> (11)..(16)
<223> N stands for A, C, G or T

<400> 33
acggtatcgg nnnnnn 16

<210> 34
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial SEquence: synthetic primer (5' PCR N4 primer)

<220>
<221> misc_feature
<222> (16)..(16)
<223> N stands for A, C, G or T

<400> 34
ggtcgacggt atcggn 16

<210> 35
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificala Sequence: synthetic primer (5' RT primer)

<400> 35
aggtcgacgg tatcgg 16

<210> 36
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Descripton of Artificial Sequence: synthetic primer (5' ds primer)

<400> 36
tcccagtcac gacgttgtaa aacgacggct catatgaatt aggtgaccga cggatatcgg 59

<210> 37
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (3' ds primer)

<400> 37
cagcggataa caatttcaca caggagctc caccgcggtg gcggcc 46

<210> 38
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (5' sequencing primer)

<400> 38
cccagtcacg acgttgtaaa acg 23

<210> 39
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<220>
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<223> V stands for A, C or G

<400> 39
tttttttttt ttttttttv 19

<210> 40
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer (3' sequencing primer)

<400> 40
ggtggcggcc gcaggaattt tttttttttt ttttt 35

<210> 41
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<220>

<221> misc_feature
<222> (15)..(16)
<223> N stands for A, C, G or T

• <400> 41
gtcgacggta tcggnn